

## ■ Technical information

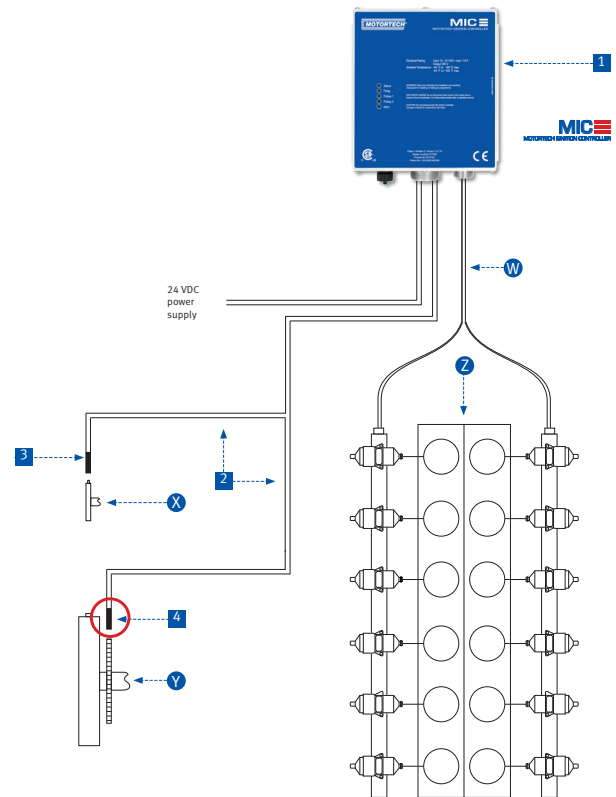
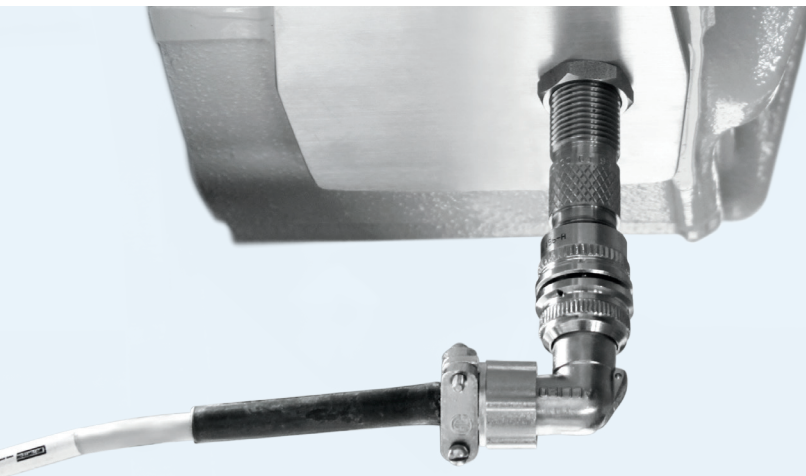
# Ignition Systems for MAN® Gas Engine E2842 E312

## Expansion of the Scope of Supply by an Additional Magnetic Pickup

In MAN® gas engines of type E2842 E312 ignition timings around the top dead center can lead to re-ignition. To increase ignition timing accuracy at rapid speed changes and so to avoid re-ignitions, MOTORTECH is immediately expanding its scope of supply for the MIC3+ and MIC4 ignition systems by a magnetic pickup for speed sensing at the flywheel.

### Advantages:

- Optimized detection of the crankshaft and camshaft position
- Improvement of the ignition timing and therefore optimization of the engine power and compliance with emission regulations



### Necessary components

- 1 Ignition controller MIC3+/MIC4
- 2 Input harness/ pickup lead
- 3 Pickup, inductive
- 4 Pickup, magnetic

### Description

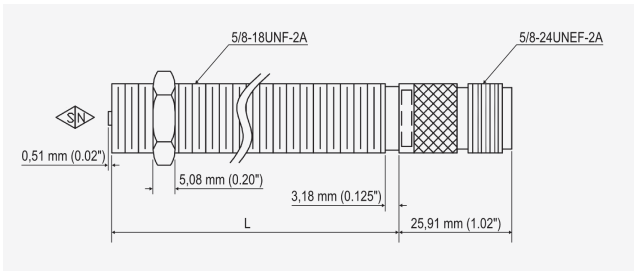
- W Output harness
- X Camshaft
- Y Crankshaft
- Z Engine

### DISTRIBUTION

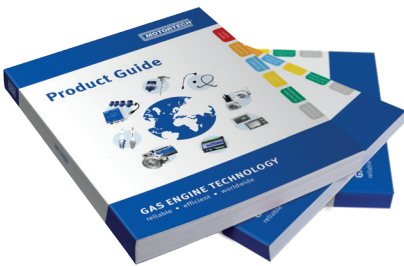
Customers / Others	Yes
Representatives and Sales Partners	Yes
OEM partners	No
MOTORTECH subsidiaries	Yes

## Technical information

### Magnetic Pickup P/N 66.60.001-250



More information on the pickup can be found in the technical datasheet on the MOTORTECH homepage under [www.motortech.de](http://www.motortech.de).

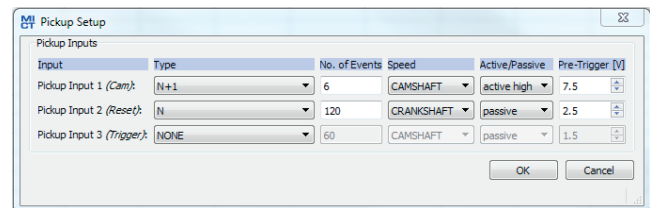


A summary of the available standard ignition systems can be found in the current [Product Guide](#) in the download center on the MOTORTECH homepage.

### Setting Up and Mounting Pickups

Active	Passive	Type of triggering
Magnetic	Passive	"Hole", pins, disks, screens, teeth
Inductive	Active	"Hole", pins, disks, screens
Half effect	Active	Magnets

More information on installation and wiring of the additional pickup can be found in the application note "[MOTORTECH Ignition Controllers: Setting Up and Mounting Pickups](#)".



When programming the controllers via the MICT – MOTORTECH Integrated Configuration Tool – please note the setting of the additional magnetic pickup in the *Engine – Pickups* section.

### Additional Included Components for MAN® E2842 E312

P/N	Description	For Use with Controller Series / P/N	
66.60.001-250	Pickup, magnetic, thread 5/8-18 UNF, length 2.50 in	MI3+, MIC4	66.00.350-12, 66.00.410-16, 66.00.424-16
75.90.355	Screw-in adapter, M26x1.5 by 5/8-18UNF	MI3+, MIC4	66.00.350-12, 66.00.410-16, 66.00.424-16
06.02.041-L	Input harness, 35-pole, socket, 180°, for one inductive and magnetic pickup respectively	MIC3+, MIC4	66.00.350-12, 66.00.424-16
06.71.001-50	Pickup lead for magnetic pickup, 2-pole, socket, 90°, length 15.0 m	MIC4	66.00.410-16

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